4. The ſame *Malpighi* thought he ſhould have met with the ſame thing in *Terreſtrial* Animals; but he found, that *Fiſhes* alone have ſuch a ſtructure of the *Optique Nerve*: For that of an Ox, Frog, and other ſuch Animals, is nothing but a heap of many ſmall *Fibres* of the ſame ſubſtance with the Brain, wrapped about with the *Dura Mater*, and accompanied with many little veſſels with bloud. Hence he draws the deciſion of that great queſtion among Anatomiſts; *Whether the* Optique Nerve *be hollow or not?* For, *ſaith he*, it cannot be otherwiſe, but there muſt be many cavities in this Nerve; foraſmuch as the ſmall filaments, of which it is compoſed, cannot be ſo cloſely joyned, that there ſhould not be ſome void ſpace betwixt them.

5. Concerning the *Tongue*, the ſame *Author* hath diſcovered in it many little *Eminences*, which he calls *Papillary*, and believes to be the principal Organ of *Taſte*. * But here is not to be omitted the Obſervation of *Fracaſſati*, importing, that as the *Tongue* hath towards its *point* many *Eminences*, by the means whereof it goes, as it were, to meet objects of *Taſte*; ſo on the contrary, it hath many *cavities* towards its *root*, wherein it receives them. All which cavities terminate in *nerves*, and ſeem to ſerve for *Funnels* to conveigh the aliment into them. Which maketh the Author think it very probable, that the fineſt part of the aliment paſſeth immediately from the *Tongue* into the *Nerves*, whence it comes to paſs, that Wine, being only taken into the mouth, reſtoreth vigour preſently.

* See *Numb.* 20. of the *Tranſactions*, pag. 366. where a large account is given of this diſcovery, from the Treatiſe of *Laur. Bellini, de Organo Guſtûs.*

An Experiment of Signior Fracaſſati *upon Bloud grown cold.*

When any bloud is become cold in a diſh, that part which is beneath the *ſuperficies* appears much blacker, than that on the top; and 'tis vulgarly ſaid, that this black part of the bloud is *Melancholy* bloud, and men are wont to make uſe of this example to ſhew that the *Melancholy* humor as 'tis called, enters with the 3 others into the compoſition of the bloud. But Signior *Fracaſſati* maintains, that this *blackiſh* colour comes from hence, that the bloud, which is underneath, is not expos'd to the Air, and not from a mixture of *Melancholy*: to prove which he aſſures, that upon its being expos'd to the Air it changes colour, and becomes of a florid red.

An Experiment as eaſie to try, as 'tis curious.